



Safety Data Sheet

Cinnamon Sugar Fragrance Oil

August 24, 2022

Section 1: Chemical Product and Company Identification

Product name: Cinnamon Sugar Fragrance Oil

Contact Info: Bramble Berry Inc.
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Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:

Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Classification according to GHS and (EC) No 1272/2008 (CLP)

Flammable Liquids, Category 4	H227 : Combustible liquid
Acute Toxicity Oral, Category 4	H302 : Harmful if swallowed
Acute Toxicity Dermal, Category 5	H313 : May be harmful in contact with skin
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 2B	H320 : Causes eye irritation
Acute Toxicity Inhalation, Category 5	H333 : May be harmful if inhaled
Aquatic Acute Toxicity, Category 1	H400 : Very Toxic to aquatic life
Aquatic Chronic Toxicity, Category 2	H411 : Toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Acute Toxicity Oral, Category 4	H302 : Harmful if swallowed
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 2	H319 : Causes serious eye irritation
Aquatic Acute Toxicity, Category 1	H400 : Very Toxic to aquatic life
Aquatic Chronic Toxicity, Category 2	H411 : Toxic to aquatic life with long lasting effects

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal Word: Warning

Hazard statements

H227	Combustible liquid
H302	Harmful if swallowed
H313	May be harmful in contact with skin
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H333	May be harmful if inhaled
H400	Very Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P235	Keep cool
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment

Response:

P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth
P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention
P363	Wash contaminated clothing before reuse
P370 + P378	In case of fire: Use Carbon dioxide (CO ₂), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
P391	Collect Spillage

2.3 Other Hazards

no data available

Section 3: Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

CAS# <i>Ingredient</i>	EC#	Conc. Range	GHS Classification
120-51-4 Benzyl Benzoate	204-402-9	30-40%	H302; H313; H400; H411
101-39-3 Alpha-Methylcinnamaldehyde	202-938-8	30-40%	H303; H317; H401
101-32-4 Ethyl Vanillin	204-464-7	10-20%	H303; H320; H402
104-54-1 Cinnamyl Alcohol	203-212-3	2-5%	H302; H316; H317; H401
4940-11-8 Ethyl Maltol	225-582-5	2-5%	H302; H401
97-53-0 Eugenol	202-589-1	2-5%	H303; H316; H317; H319; H401
91-64-5 Coumarin	202-086-7	2-5%	H302; H317; H402
128-37-0 BHT	204-881-4	1-2%	H316; H400; H410
104-55-2 Cinnamal	203-213-9	0.1-1.0%	H303; H312; H315; H317; H319; H401; H412
87-44-5 Beta-Caryophyllene	201-746-1	0.1-1.0%	H304; H317
1885-38-7 Cinnamyl nitrile	217-552-5	0.1-1.0%	H301; H312; H316; H317; H332; H402
80-71-7 Methylcyclopentenolone	201-303-2	0.1-1.0%	H302; H317; H402
470-82-6 Eucalyptol	207-431-5	0.1-1.0%	H226; H303; H317; H320; H402
93-51-6 2-Methoxy			H302; H315; H317; H319

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.73

Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Risks: Refer to Section 2.2 "Hazard Statements"

4.3 Indication of any immediate medical attention and special treatment needed Treatment:

Refer to Section 2.2 "Response"

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable: Carbon dioxide (CO₂), Dry chemical, Foam

Unsuitable: Do not use a direct water jet on burning material

5.2 Special hazards arising from the substance or mixture

During fire fighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Not Applicable

Section 7: Handling and Storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid uncoated metal container. Keep air contact to a minimum.

7.3 Specific end uses

No information available

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits:

Component	ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
128-37-0 BHT	2			

Engineering Controls: Use local exhaust as needed.

8.2 Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Odor: Conforms to Standard

Color: Conforms to Standard

Viscosity: Liquid

Freezing Point: Not determined

Boiling Point: Not determined

Melting Point: Not determined

Flashpoint (CCCFP): 200 F (93.33 C)
Auto flammability: Not determined
Explosive Properties: None Expected
Oxidizing properties: None Expected
Vapor Pressure (mmHg@20 C): 0.0321
%VOC: 0.08
Specific Gravity @ 25 C: Not determined
Density @ 25 C: Not determined
Refractive Index @ 20 C: Not determined
Soluble in: Oil

Section 10: Stability and Reactivity

Reactivity	None
Chemical stability	Stable
Possibility of hazardous reactions	None known
Conditions to avoid	None known
Incompatible materials	Strong oxidizing agents, strong acids, and alkalis
Hazardous decomposition products	None known

Section 11: Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"	
Acute toxicity - Oral - (Rat) mg/kg	(LD50: 1768.0476) Harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 3407.1731) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LD50: 50.3406) May be harmful if inhaled
Skin corrosion / irritation	Not classified - the classification criteria are not met
Serious eye damage / irritation	Causes eye irritation
Respiratory sensitization	Not classified - the classification criteria are not met
Skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Not classified - the classification criteria are not met
Carcinogenicity	Not classified - the classification criteria are not met
Reproductive toxicity	Not classified - the classification criteria are not met
Specific target organ toxicity - single exposure	Not classified - the classification criteria are not met
Specific target organ toxicity - repeated exposure	Not classified - the classification criteria are not met
Aspiration hazard	Not classified - the classification criteria are not met

Section 12: Ecological Information

12.1 Toxicity

Acute aquatic toxicity:	Very toxic to aquatic life
Chronic aquatic toxicity:	Toxic to aquatic life with long lasting effects.

Toxicity Data on soil: No data available.
Toxicity on other organisms: No data available.

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Other adverse effects: No data available.

Section 13: Disposal Conditions

13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

Section 14: Transport Information

Marine Pollutant	Yes. Ingredient of greatest environmental impact : 120-51-4 : (30 - 40 %) : Benzyl Benzoate			
Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Chemicals NOI	Not Regulated - Not Dangerous Goods			
ADR/RID (International Road/Rail) 9 Chemicals NOI		III		UN3082
IATA (Air Cargo) Chemicals NOI	9	III		UN3082
IMDG (Sea) Chemicals NOI	9	III		UN3082

Section 15: Regulatory Information

Additional European Regulations

European Union (EINECS, ELINCS or NLP) 100.00% (By Wt) of the components are listed or exempt.

Additional Asian Regulations

Australian AICS 100.00% (By Wt) of the ingredients on AICS or notified.

Chinese IECS 100.00% (By Wt) of the ingredients on IECS.

Japan ENCS 100.00% (By Wt) of the ingredients on ENCS, fall within the 1000 kilogram per annum exemption or have been notified.

Korea KECL 96.59% (By Wt) of the ingredients on KECL, fall within the 100 kilogram per annum exemption or have been notified.

New Zealand NZIoc 100.00% (By Wt) of the ingredients on NZIoc.

Philippines PICCS 100.00% (By Wt) of the ingredients on PICCS.

The Status of the following ingredient(s) is NOT known for the registration lists noted;



BRAMBLE BERRY

HANDCRAFT PROVISIONS

Asian Disclosure Lists noted within <> brackets after name

8030-55-5	232-444-8	2 - 5 %	Dipterocarpus Turbinatus Wood Oil: <KECL>
1885-38-7	217-552-5	0.1 - 1.0 %	Cinnamyl nitrile: <KECL>
93-51-6	202-252-9	0.1 - 1.0 %	2-Methoxy-4-methylphenol (Creosol): <KECL>

Section 16: Other Information

GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour	H301 : Toxic if swallowed
H303 : May be harmful if swallowed	H304 : May be fatal if swallowed and enters airways
H312 : Harmful in contact with skin	H315 : Causes skin irritation
H316 : Causes mild skin irritation	H317 : May cause an allergic skin reaction
H319 : Causes serious eye irritation	H320 : Causes eye irritation
H332 : Harmful if inhaled	H401 : Toxic to aquatic life
H402 : Harmful to aquatic life	H410 : Very toxic to aquatic life with long lasting effects
H412 : Harmful to aquatic life with long lasting effects	

Total Fractional Values

(TFV) Risk

(99.32) Acute Toxicity Inhalation, Category 5
(17.54) Aquatic Chronic Toxicity, Category 3
(2.00) Sensitization, Skin, Category 1
(1.75) Aquatic Chronic Toxicity, Category 2
(1.42) Eye Damage/Eye Irritation, Category 2B
(1.35) Aquatic Acute Toxicity, Category 1

(TFV) Risk

(32.00) Sensitization, Skin, Category 1B
(8.18) Sensitization, Skin, Category 1A
(1.81) Eye Damage/Eye Irritation, Category 2
(1.47) Acute Toxicity Dermal, Category 5
(1.41) Aquatic Chronic Toxicity, Category 4
(1.13) Acute Toxicity Oral, Category 4

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